



RECALL

R20AR – Air Conditioner Circuit Breaker Installation

Models Affected: Certain Model Year 2020-2021 Vision and All American Buses Equipped with Blue Bird Air Conditioner Feature Numbers 30014-01 and 30014-03

Issue: Air Conditioner 100-Amp Circuit Breakers May Have Been Installed Incorrectly

Corrective Action: Inspect 100-Amp Circuit Breakers, Per Instructions Below – If Required Add Spacer Nut Below Bus Bar – If Required Replace 100-Amp Circuit Breakers

Parts/Items Needed:

Item Number	Part Number	Description	Quantity
1	LOCAL SOURCE	1/4 X 20 NUT	2 (IF REQUIRED)
2	10023914	BREAKER,CIRC,HYD/MAG,100A MANUAL RESET	2 (IF REQUIRED)
3		PHILLIP SCREWDRIVER	TOOL
4		5/16 SOCKET	TOOL
5		7/16 SOCKET	TOOL
6		TORQUE WRENCH/DRIVER	TOOL

WARNING: Always follow all Federal, State, Local, and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures. Park bus on level surface, apply parking brake, turn off ignition key, and chock wheels.

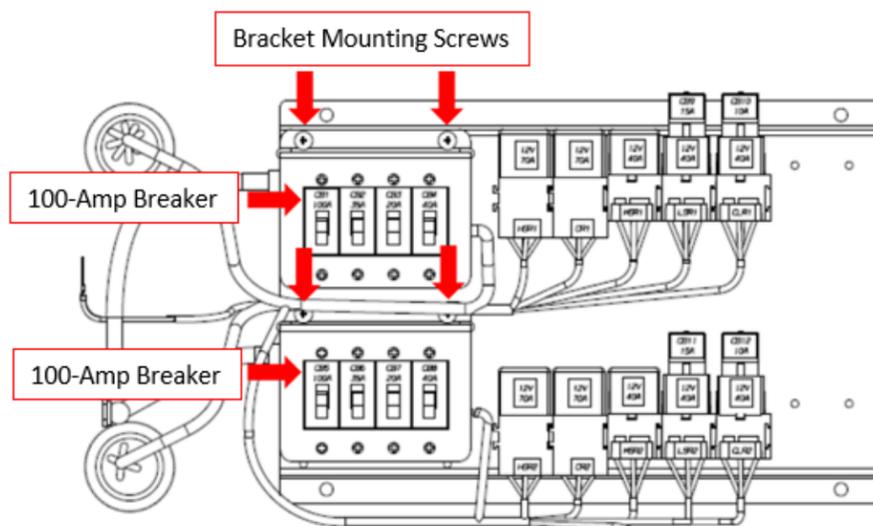
Disconnect Batteries: Note when disconnecting the batteries, **remove negative cable first**. If equipped turn off battery disconnect switch in lieu of disconnecting batteries.

Instructions:

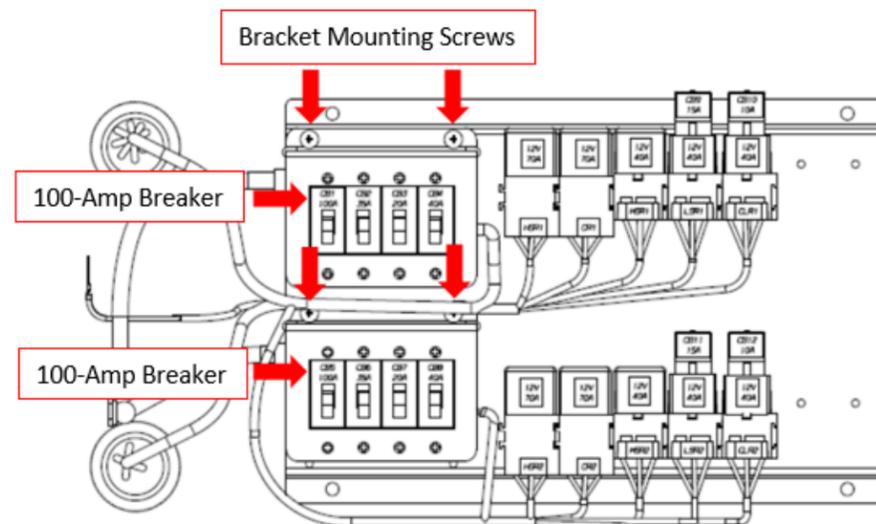
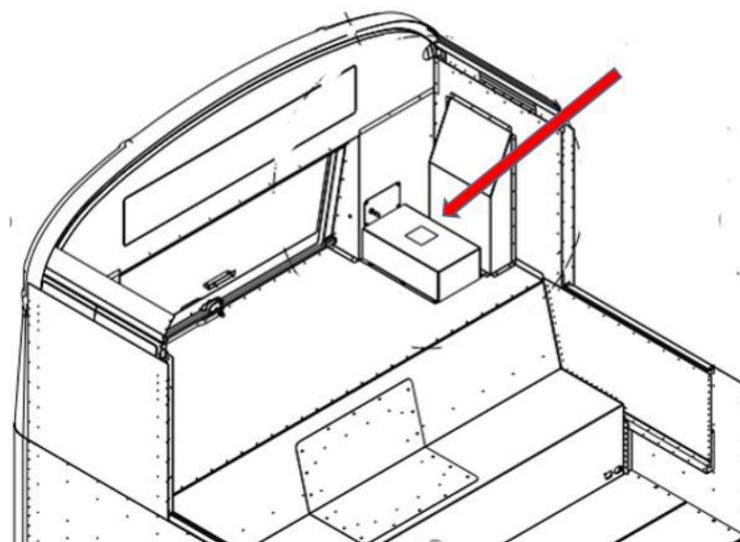
1. Locate the 100-amp air conditioner circuit breakers. Note: The 100-amp breakers are identified on the decal that is located on the inside of the air conditioner electrical compartment cover.
 - a. For Vision and Front Engine All American, the circuit breakers are in the air conditioner electrical compartment which is on the left-hand skirt panel rear of the battery compartment.



Compartment Door

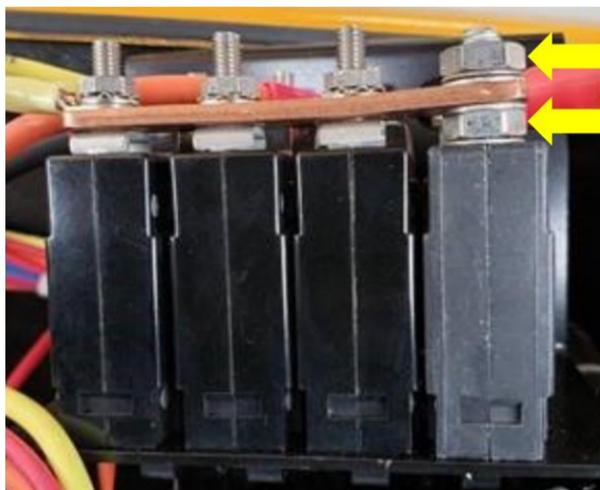


b. For Rear Engine All American, the circuit breakers are in the air conditioner electrical compartment, which is located on the rear davenport deck.



2. Visually inspect 100-amp circuit breakers for correct installation of hardware and any signs of thermal damage. As required, use a Phillips screwdriver to remove bracket mounting screws to access rear side of circuit breakers. Note: A mirror or cell phone camera can be used to visually inspect the rear side of the circuit breakers. Refer to (Photo A) on page 3 for Correct installation of hardware.

3. Refer to (Photo A) for Correct installation of hardware. If installation of hardware is correct and no visible signs of thermal damage, replace bracket mounting screws using Phillips screwdriver. Reconnect batteries or turn battery disconnect switch on if equipped, and return bus to service.



(Photo A) Correct

- a. Washers and #1/4-20 nut installed on top of the bus bar, as required.
- b. A #1/4-20 nut or spacer installed under the bus bar, as required.

4. Note: On some buses the #1/4-20 nut below the bus bar was NOT installed. Refer to (Photo B) for Incorrect installation. Add #1/4-20 nut if it was not installed. Torque #1/4-20 nut to 30-35 IN-LBS.



(Photo B) Incorrect

- c. A #1/4-20 nut or spacer was NOT installed under the bus bar, as required.

Note: Torque #10-32 nuts to 15-20 IN-LBS, if required.

5. If the 100-amp circuit breakers show any signs of thermal damage replace by removing (2) #6 machine screws that attach the breakers to the mounting bracket. Install new 100-amp circuit breaker Part #10023914 using the (2) #6 machine screws removed previously. Torque #6 machine screws to 7-9 IN-LBS. Refer to (Photo A) and insure correct installation of hardware, and replace bracket mounting screws using Phillips screwdriver. Reconnect batteries or turn battery disconnect switch on if equipped, and return bus to service.